

XZ-9300 – Flame Retardant

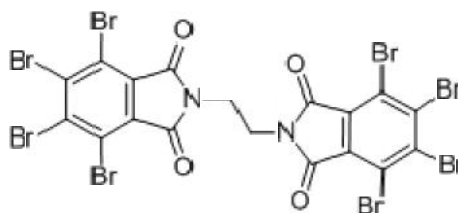
Tetrabromophthalimide / White Ethylene bis
tetrabromophthalimide

CAS: 32588-76-4

EINECS: 2511186

Description and Applications

XZ-9300 Ethylenebis Tetrabromophthalimide (white ethylenebis tetrabromophthalimide) is a unique flame retardant that combines stable, aromatic bromine with an imide structure, which increases its thermal stability. It is available as a white powder.



As an additive flame retardant **XZ-9300** Ethylenebis Tetrabromophthalimide is used in various applications due to its excellent performance. Some of the applications where Ethylenebis Tetrabromophthalimide can be used are thermoplastic polyesters (PBT, PET, PC, PA...), high impact polystyrene (HIPS), polycarbonates and elastomers. Ethylenebis Tetrabromophthalimide also finds its applications in wire and cable production.

Benefits and Features

XZ-9300 Ethylenebis Tetrabromophthalimide is suitable for applications where pure white color is required.

XZ-9300 Ethylenebis Tetrabromophthalimide has exceptional UV stability, useful for HIPS formulations where the highest degree of UV stability is necessary. It has very high thermal stability valuable for engineering resins like polyesters and polyamides. Due to its non-blooming properties it is extremely advantageous in some applications, such as polyolefin films that require good heat protection. Also, as a result of its good wet electrical properties, Ethylenebis Tetrabromophthalimide is widely used for electrical wires and cables.

Typical Properties

Bromine content, % min.....	65.5
Appearance	white powder
Molecular weight, average	951.5
Melting point, °C	460
Specific gravity, g/cm ³ at 20 °C	2.77
Refractive index	1.79
Solubility, wt. % at 25 °C	
Water	insoluble
Methanol	insoluble

Shipping Information

Packing:
Hazard class: Not regulated
UN No.

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